

Modification Work Orders (MWO)

The document that allows modification to fielded Army Equipment is the Modification Work Order (MWO). Guidance for MWOs are currently located in AR 750-10, "The Army Modification Program", dated 6 August 2000. This AR has been extensively revised and is published, and available for viewing/downloading from the following website <http://www.usapa.army.mil> . Title: Army Modification Program. [AR 750-10](#) is also available in PDF format here.

What to know to be a successful Unit MWO Coordinator: [Unit Level MWO Coordinator Guidelines](#)

- The current AR 750–10 regulation revises policy relating to the modification of Army equipment. Specifically, this revision:
- Provides responsibilities and policies for modification of Army equipment (para 1-4, chap 2, and chap 4).
- Provides definitions of modification terms (para 1-4, chap 1, and chap 3).
- Establishes when an Engineering Change Proposal is to be used and at what point the Engineering Change Proposal needs to be developed into a Modification Work Order (MWO) (para 3-1).
- States that commanders will not allow their equipment to be modified unless there is an official MWO (para 3-1).
- Establishes the Army Modification Program objective that Army-owned equipment be kept safe and be in the latest configuration (para 3-1).
- Describes modernization through spares (para 3-6).
- Establishes financial obligations in the procurement and application of equipment modification (para 3-9).
- Establishes the required level of centralized management within Army to accomplish the equipment modernization program (para 4-2).
- Requires the major subordinate command's MWO coordinator to assign a materiel change number (para 4-2).
- Describes the modification process (para 4-2).
- Requires a major subordinate command (MSC) MWO Fielding Review Panel, chaired by the MSC MWO coordinator, review each MWO before its application (para 4-2).
- Establishes the Modification Management Information System (MMIS). MMIS is the information system that will receive and track modification information for the Army, thus providing the latest configuration down to the Unit Identification Code and serial number level (chap 5).
- Covers modification of multi-service equipment and systems (chap 6).

MMIS: The MMIS is a tool for the soldier in the field all the way up to senior Army leadership. It allows them to find the current configuration status of an end item of equipment to the serial number level. In the past, tracking of MWOs was accomplished by a system called Modification Application Accounting System (MODACS) which terminated operation in 1995. MODACS received it's inputs from completed DA form 2407s that were submitted to the MSC's responsible for the end item. Unlike MMIS, MODACS was not accessible Army-wide. Since the demise of MODACS in 1995 MWO information has not been maintained in any central database.

To comply with a General Accounting Office Audit of the Modification Program, the MMIS was established. The MMIS was initially populated with the most current information on a selected number of systems. These systems for the most part were the Chief of Staff Army, Status of Resources and Training System (SORTS). Because of its success, the decision was made to implement MMIS and start adding system and MWO information from the field.

Due to the enormous cost and manpower requirements to do a complete inventory of every end item and MWO, the decision was made to collect data only on MWOs being applied from this time forward.

Since MMIS has the capability for users to input MWO applied information, various organization, units, individual MWO coordinators and Materiel Developers (MATDEV) have been reporting past applied MWO information. Some MATDEVs are inventorying their systems for application of past MWOs as part of their latest MWO efforts. Currently in MMIS there are over 11,800 UICs, 277 end items list by National Stock Numbers, with a total of 327,000 end items listed with over 870,000 MWOs applied. The MMIS is fully operational for the reporting and tracking of

MWOs. It is now a requirement that anyone applying an MWO must report that application to the MMIS using one of two methods. The two methods are:

- On-line reporting - This is an on-line form to be filled in with modification data to report the application of MWOs by serial number at the UIC level.
- Off-line reporting - The off-line reporting is done by downloading (from MMIS Web site) an executable program and installing it on any ADP equipment operating in a windows environment. The MWO application information will then be recorded in the program format and saved as a text file that can then be sent by e-mail or mailed on a 3.5" disk. (in lieu of the executable program, any database program may also be used to record the application). At a minimum the following nine data elements will be required to report the application of an MWO:

- (1) Materiel Change number (MCN).
- (2) MWO number being applied.
- (3) Unit identification code (UIC).
- (4) NSN of the End Item under MWO.
- (5) Serial number of the item under MWO.
- (6) Registration number.
- (7) Date of Application.
- (8) Hours required for application.
- (9) Software version.

THE MODIFICATION MANAGEMENT INFORMATION SYSTEM (MMIS)

The Modification Management Information System (MMIS) is a web-based, password-protected system. It tracks Modification Work Orders (MWOs) at the serial number level and allows users at all levels to determine:

- Which MWOs are applicable to the equipment end-items,
- Which MWOs have been applied to the equipment items, - Which MWOs remain to be applied to the equipment items.

The user gains access to MMIS through the World Wide Web by entering the MMIS web address <http://aeprs.ria.army.mil>. When accessing, the first screen the user will see is the Login screen, here the user will enter their User ID and password or apply for a User ID and password using the on-line request form.

After a user has successfully logged into the MMIS they will see the introduction page, at which they may view current announcements and new changes to the system. From the introduction screen the user will be able to start their search for MWO equipment data. The following screen is the primary page that is used by all users to search for MWO data on an end item. REMEMBER this database is new and growing! All end items are not listed in the MMIS database. Only the original systems used in the test of MMIS, systems that have had a recent MWO, or individual systems/items reported to the MMIS by user organization as having an MWO applied are currently in the MMIS.

From this screen the User will enter selected information to perform their search. "Mandatory Settings" are both "Family and Model" of equipment (example: Aviation and AH-64), or the National Stock Number of the item. To speed up or narrow the search to a specific area, the "Optional Settings" are provided, using these options will give the user a more specific or faster results. For example if you have a particular serial number of an M1A1 you wish to view, you would enter that serial number in the "Optional Settings block for Serial Number" and the page specific to that serial number will be displayed. A user may select to look at all M939s at a specific UIC by entering the UIC in the "Optional Settings block for UIC" and the serial number of every M939 at that UIC will be displayed. From this listing the user may look at all the M939s MWO status one serial number at a time. The end result is always the individual serial number screen with the applicable MWOs listed as applied or due and the latest version of software if applicable.

Another feature of MMIS is the capability to identify the number of equipment items and their respective serial numbers that still require a particular MWO. The user does this search by using the "MWOs Not Applied" option under MWO Info.

Users can report the application of an MWO, either a current application or a previous application. Reporting of previous MWO application can be done as long as the user has a record of the application or can validate that the MWO was applied. The On-line MWO reporting is accomplished using the MWO Reporting module. These records will be scrubbed against current information and other Army data sources to ensure the most accurate information is available in the MMIS.

There are different levels of access for the MMIS, the level of user access is identified by the individuals duty position or location. Every user will have access to the following modules:

- MWO INFO - Has the "Equipment Data" and the "MWOs Not Applied" modules
- MWO Library - The MWO Library contains copies of MWOs
- MWO Reporting - The MWO Reporting has the two reporting modules, the "On-Line" and "Off-Line" modules.
- Administration - Contains Administrative information
- New Search - Resets the screens and allows the user to begin a new or different search
- Help - Contains Help topics on the MMIS and how to use or accomplish a search.

For more information concerning the Modification Work Order Program contact 791-6059.